

DESCRIPTIVE SUMMARY

This is a processing circuit for a spectrometry chain including a particle radiation detector (21), including a charge preamplifier stage (20) receiving a current (I_1) from the detector, representative of the amount of charges emitted by a particle which has interacted with the detector, and an integrator stage (26). A differentiator stage (25) is connected between the charge preamplifier stage (20) and the integrator stage (26), the differentiator stage (25) receiving a signal (V_1) from the charge preamplifier stage (20) and delivering to the integrator stage (26), a signal (V_2), image of the detector current (I_1), the integrator stage (26) delivering, an image (V_3) of the amount of charges emitted by a particle which has interacted with the detector.

Application notably to the high energy single channel probes.

Fig. 4.

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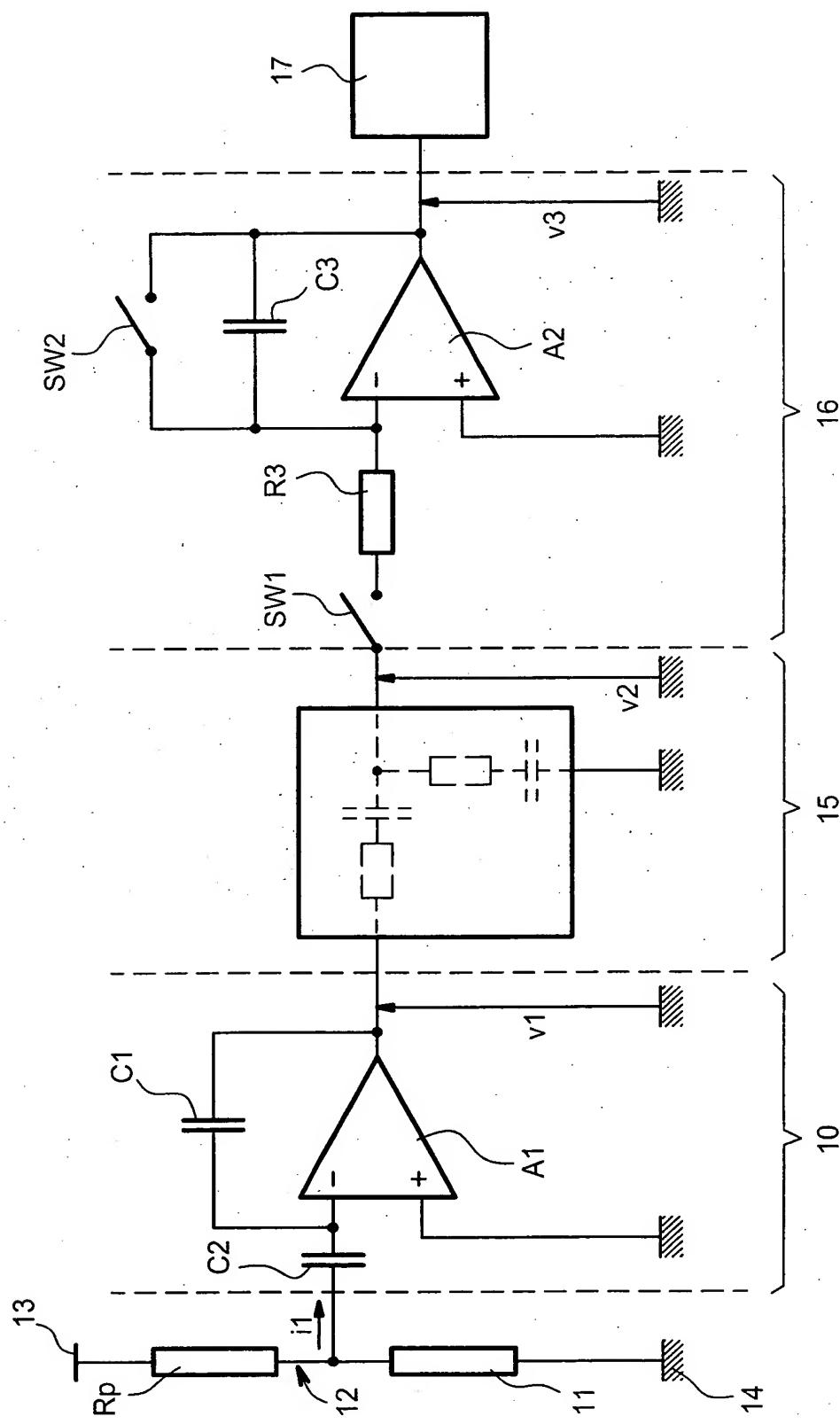


FIG. 1

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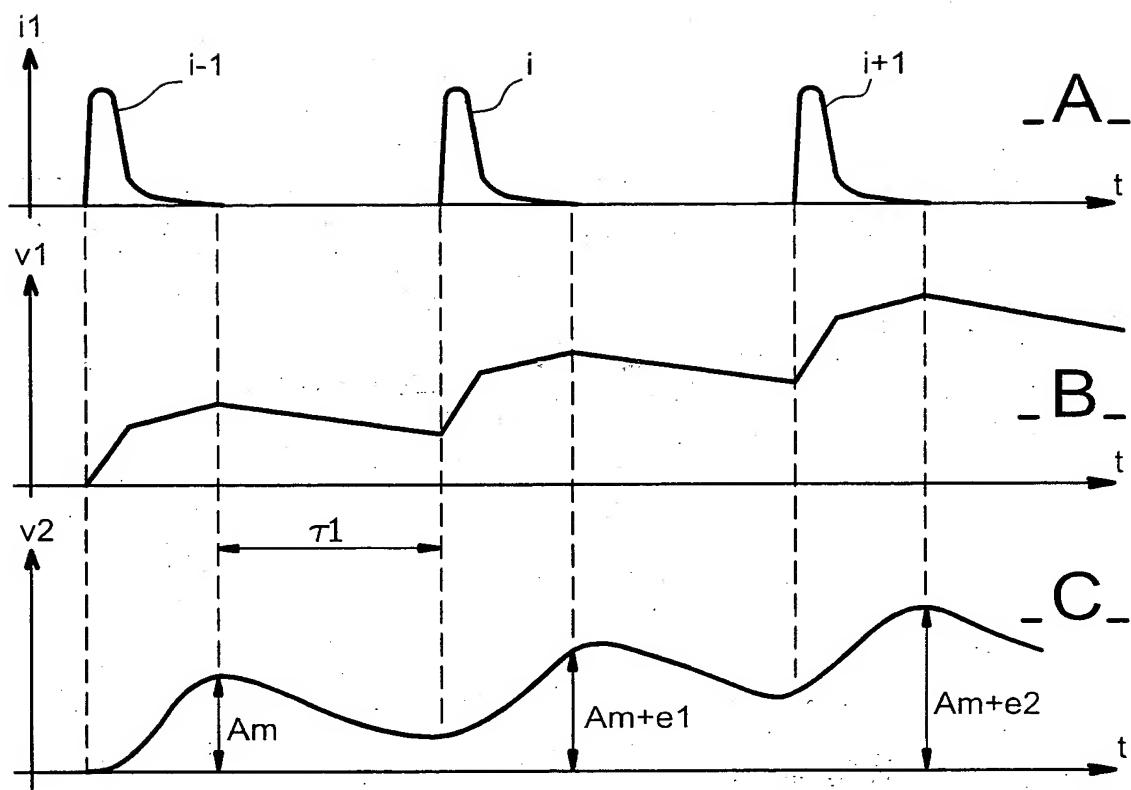


FIG. 2

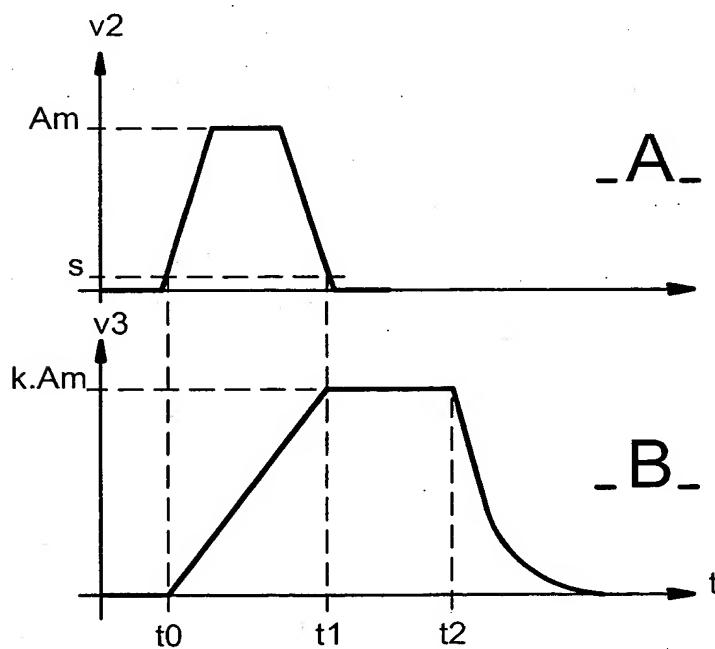
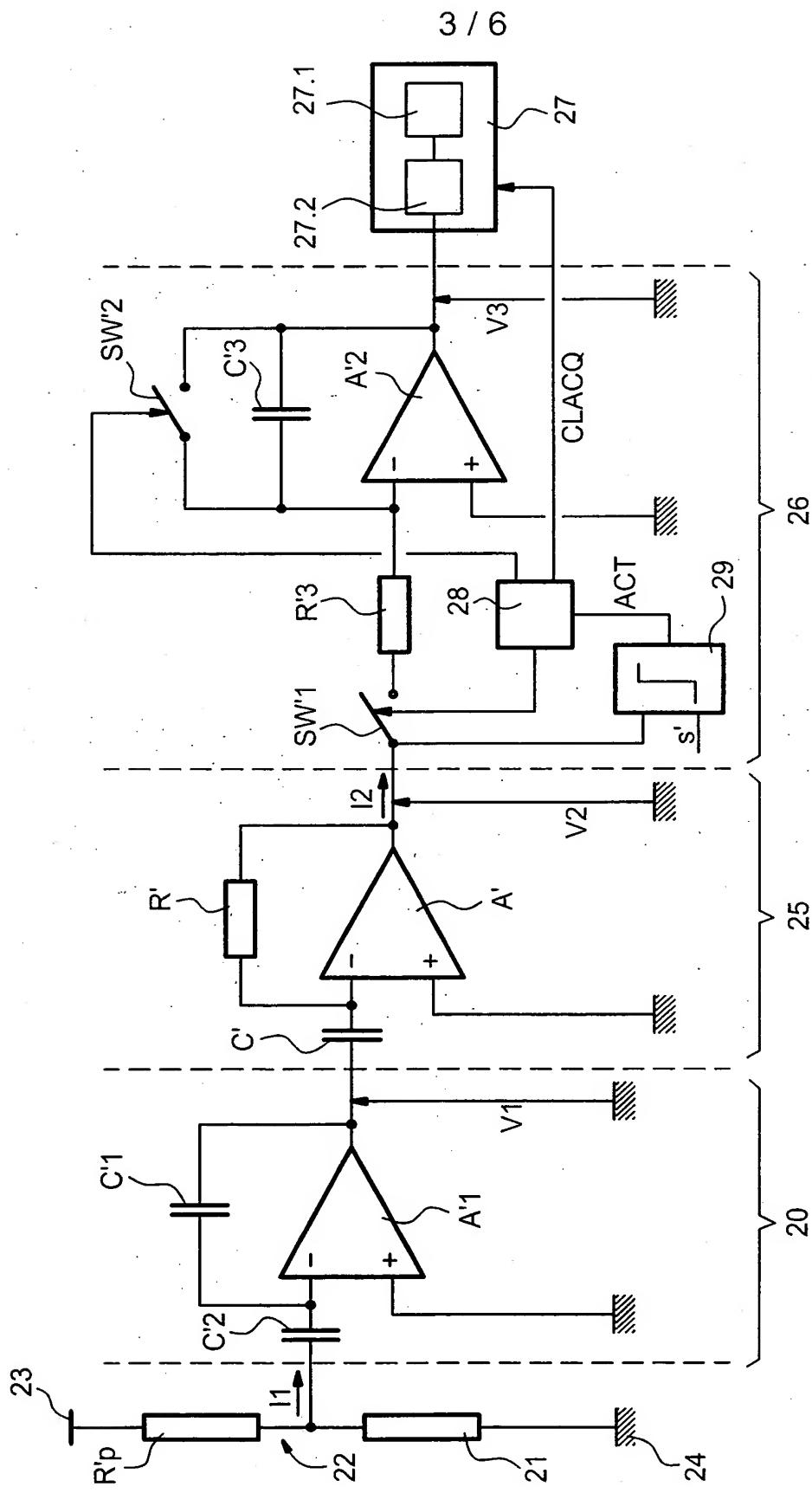


FIG. 3

FIG. 4



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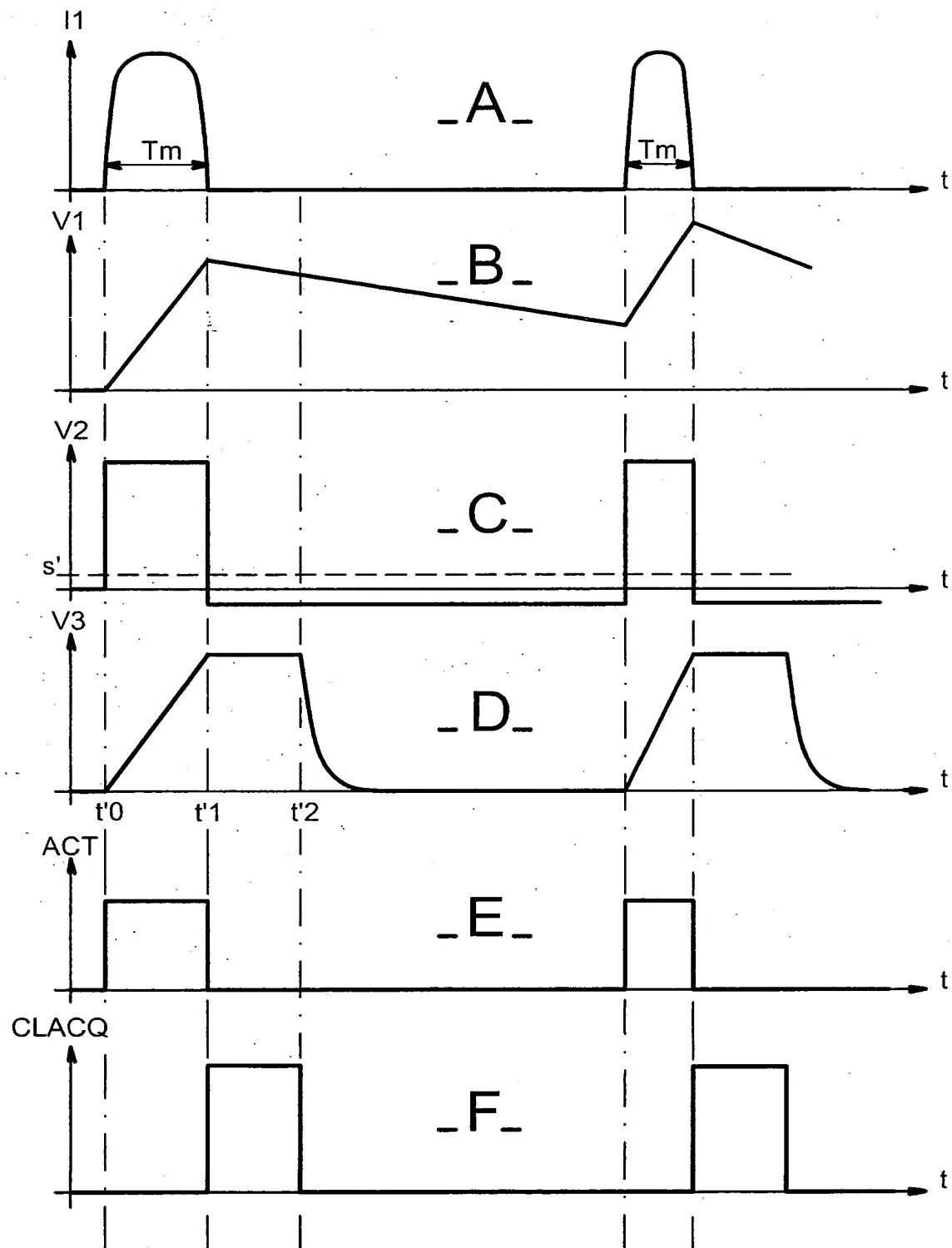


FIG. 5

1U/536505

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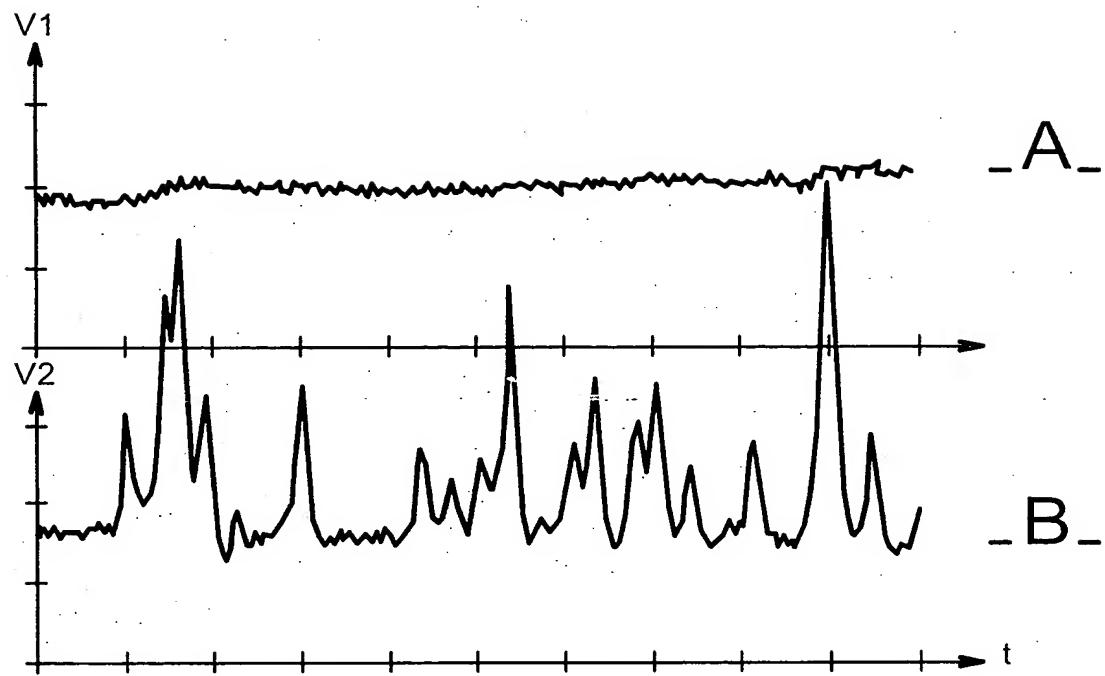


FIG. 6

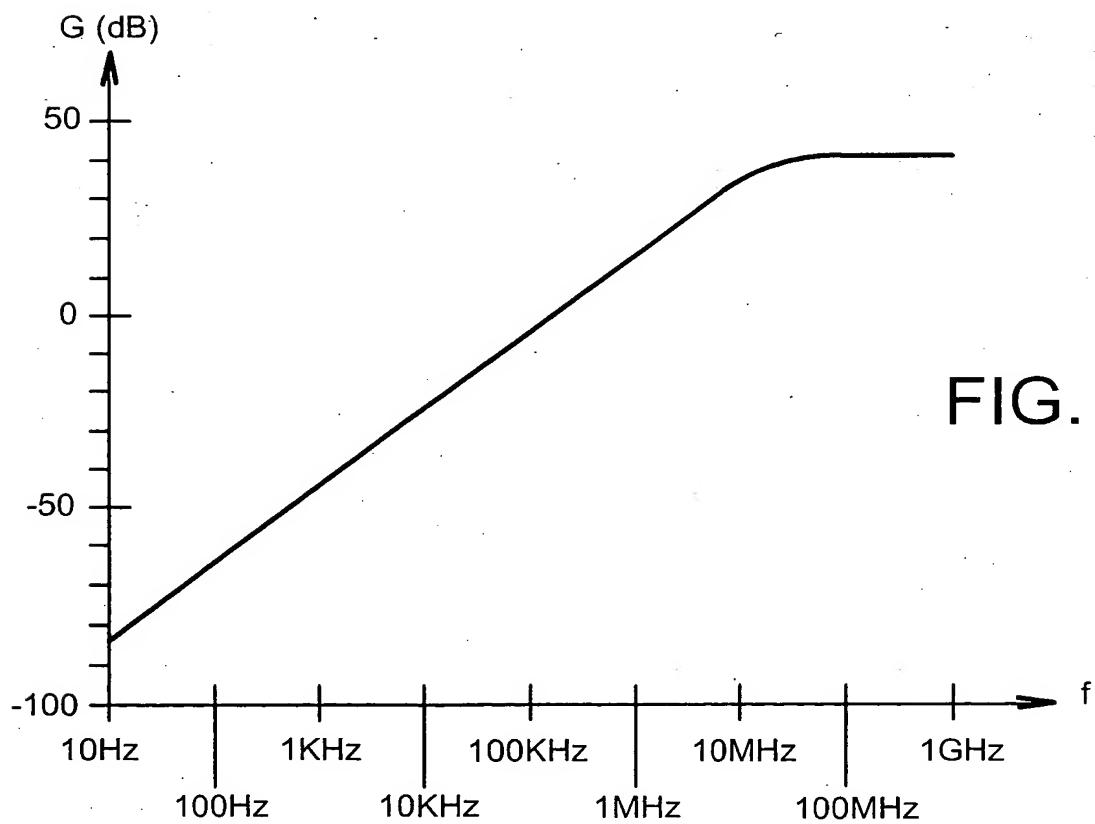


FIG. 7

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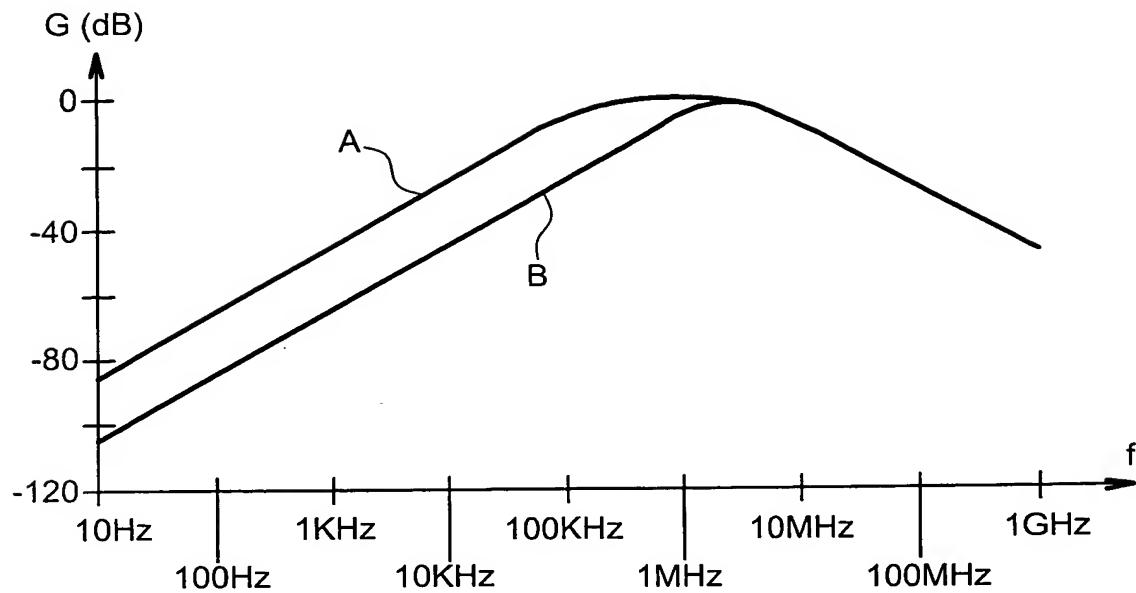


FIG. 8

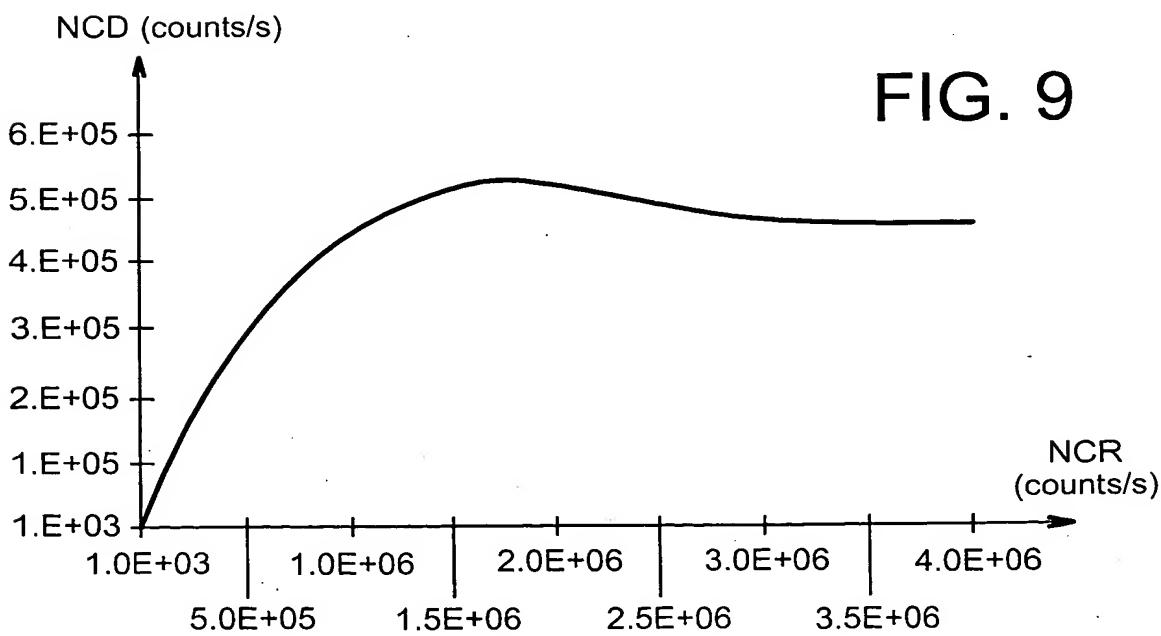


FIG. 9